

<b>NWS Form E-5</b> U.S. DEPARTMENT OF COMMERCE NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION NATIONAL WEATHER SERVICE  <b>MONTHLY REPORT OF HYDROLOGIC CONDITIONS</b>	<b>HYDROLOGIC SERVICE AREA:</b> Pocatello, Idaho
	<b>REPORT FOR:</b>  <b>MONTH:</b> August <b>YEAR:</b> 2011
<b>TO:</b> Hydrologic Operations Division, W/OH2 National Weather Service National Oceanic and Atmospheric Administration Silver Spring, Maryland 20910	<b>SIGNATURE</b>  Troy Lindquist Service Hydrologist  <b>DATE:</b> September 9, 2011
When no flooding occurs, include miscellaneous river conditions, such as significant rises, record low stages, ice conditions, snow cover, droughts and hydrologic products issued (NWS Instruction 10-924).	

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**An X in this box indicates that no flooding has occurred for the month within this hydrologic service area.**

### Overview

Warm and dry conditions typical of late summer characterized the month of August. Temperatures were generally above normal throughout the Hydrologic Service Area while precipitation came in the form of isolated to scattered showers and thunderstorms. Rainfall amounts were generally light although intrusions of subtropical moisture did result in local heavy rainfall with some storms.

### Flooding

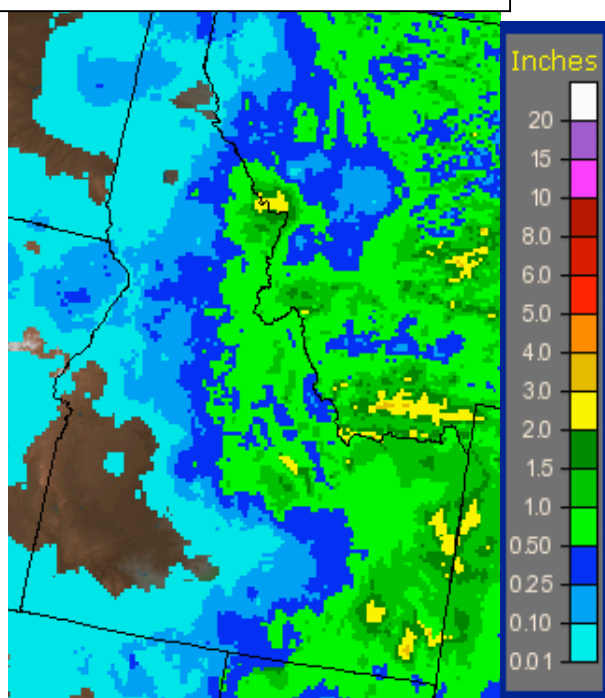
August 1: a late afternoon thunderstorm produced heavy rain around Arco in Butte County. The combination of rainfall and hail caused flooding of streets and drainages. Law enforcement reported some road damage.



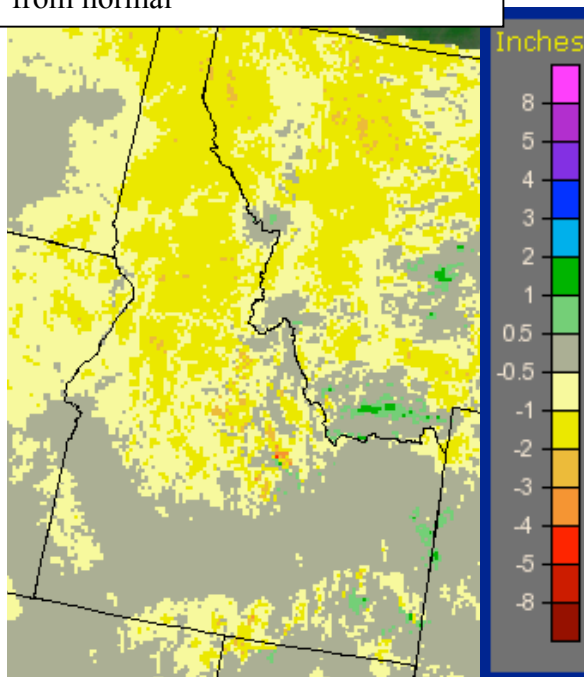
August 1, 2011 Street Flooding in Arco

## Precipitation

August 2011 observed precipitation



August 2011 precipitation departure from normal



Twenty-four out of 40 National Weather Service COOP and automated reporting stations reported greater than 100% of normal precipitation for the month. A number of precipitation records were tied or set during August.

**ASOS Daily Precipitation Records**

Station	New or Tied Record	Previous Record
Burley Airport	August 1 - .08"	.06" - 2005
Burley Airport	August 28 - .02"	.02" - 1986
Idaho Falls Airport	August 1 - .47"	.25" - 1956
Idaho Falls Airport	August 6 - .32"	.20" - 1999
Pocatello Airport	August 1 - .36"	.22" - 1984
Stanley Airport	August 4 - .14"	.10" - 1966

**COOP Monthly Precipitation Records**

Station	New or Tied Record	Previous Record
Bern	2.16" (high)	1.67" - 1993
Picabo	0.00" (low)	0.00" - 1958
Shosone	0.00" (low)	0.00" - 1934

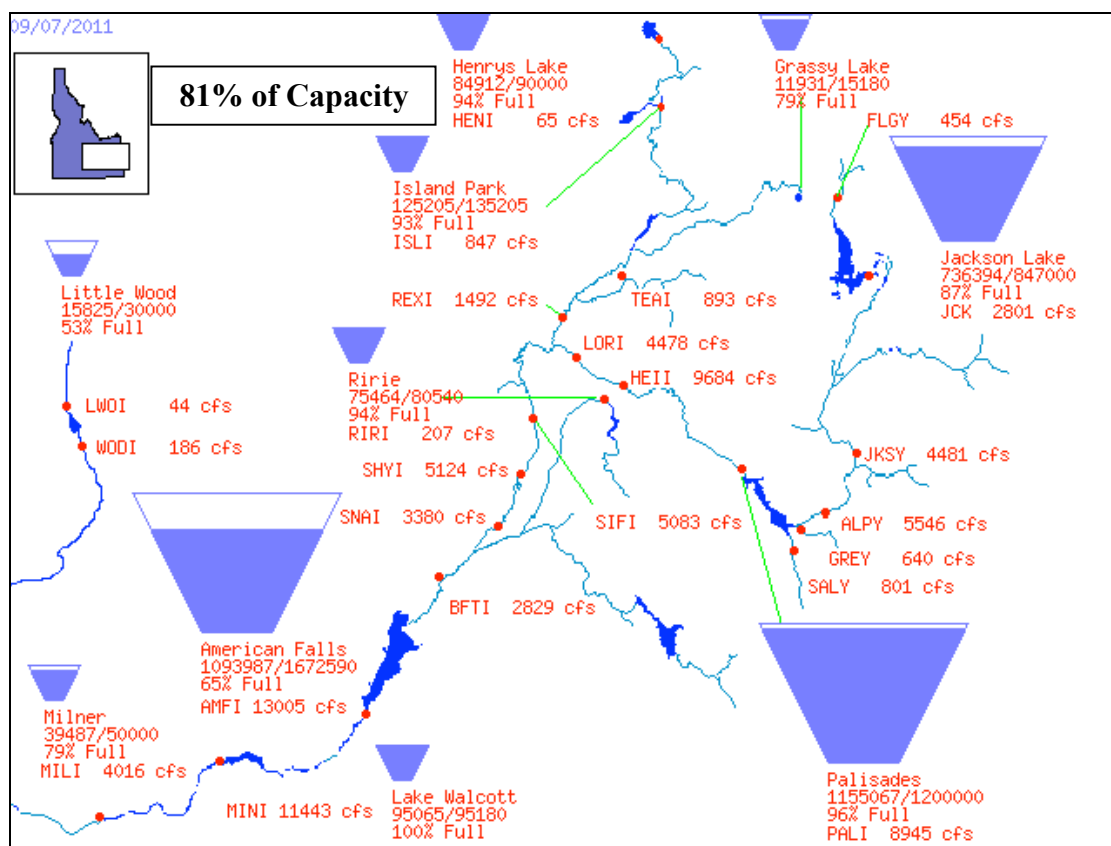
## Reservoirs

Reservoir	% Capacity July 31 <sup>1</sup>	% Capacity Aug 30 <sup>2</sup>	Percent Change	% of Average <sup>2</sup>	% of Last Year <sup>2</sup>
American Falls	99	74	-25	187	187
Bear Lake	89	86	-3	123	227
Blackfoot	NA	82	NA	135	145
Henry's Lake	98	94	-4	110	103
Island Park	99	95	-4	175	207
Little Wood	87	59	-28	203	151
Mackay	93	78	-15	348	133
Magic	90	68	-22	156	144
Oakley	59	48	-11	146	256
Palisades	99	98	-1	135	156
Ririe	100	96	-4	132	104
Lake Walcott	98 <sup>3</sup>	100 <sup>4</sup>	2	n/a	n/a
Milner	79 <sup>3</sup>	79 <sup>4</sup>	0	n/a	n/a

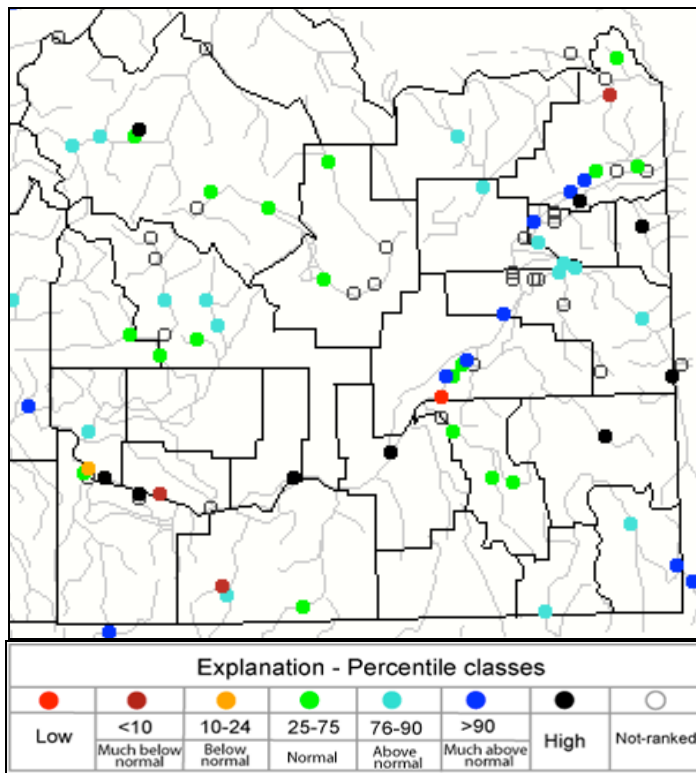
Source: (1) NRCS July 31, 2011; (2) NRCS Aug 30, 2011.

(3) US Bureau of Reclamation (BOR) July 29, 2011 (4) BOR Sep 7, 2011

There will be large carryover in the major storage reservoirs on the upper Snake River system due to abundant snowpack this past spring and a very late runoff.



## Streamflow



Monthly streamflow compared to historical streamflow for August, 2011.



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